

ABSTRACT

The present invention relates to a catalyst composition for polymerization of a conjugated diene, comprising:

- (A) a metallocene-type complex of a rare earth metal compound;
- (B) aluminoxane; and
- (C) a combination of two or more organometallic compounds of group I to group III elements in a periodic table.

The present invention provides a catalyst composition for polymerization, for efficiently producing polymers each having a high cis-1,4-configuration content in microstructure, an appropriate molecular weight for easy processing, and a narrow molecular weight distribution.